

A NEED TO IMPROVE THE PLANNING MEMBERS AND TO ADHERE TO
TO THE PLANNING DISCIPLINE, ET D. GONDA, 6 PP

MEMORIAL PER, EMMY ZEMBO, EMMY AERIAL, NO 1,
1968, PP 48-51.

JUN 20 1967

FE - MEMORIAL
ECON
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Investigation of Hydrocarbons of the Cyclohexane
and Decalin Series in Kerosine of Eablinok (Devonian)
Oil, by O. M. Grishina, V. K. Gonik, 4 pp.

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1959, pp 803-806.

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Jun 60

63-16241

I. Goni, J. C.

Goni, J. C.
NEW METHOD OF DIFFERENTIATION BETWEEN
CALCITE AND DOLOMITE. [1963] 4p. (refs. omitted).
Order from SLA \$1.10 63-16241

Trans. of Soc[été] Franç[aise de] Minér[alogie et de]
Crist[allographie]. Bull[etin] 1960, v. 83, p. 254-256.

DESCRIPTORS: *Dolomite, *Calcite, Identification,
Fluorescence, Uranium compounds, Salts, Ammonium
compounds, Phosphates.

A new method of differentiation between calcite and
dolomite is described on the basis of the fact that
calcite acquires a bright fluorescence, when it is
attacked by a solution of uranium salts, after having
been treated with a solution of ammonium phosphate.
This method is then compared with the silver chromate
method. (Author)
(Earth Sciences--Mineralogy, TT, v. 10, no. 6)

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The Solubility of Gases in Liquids at Low Temperatures and High Pressures. III. The Solubility of Hydrogen in Liquid Methane, by W. Fastowsky, M. Gonikberg, 8 pp.

GERMAN, per, Acta Physicochimica URSS, Vol XII, 1940, pp 485-488.

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S.I.A. No 193/1956

Scientific - Physics

Investigations of the Influence of the Solvent on the
Reaction Rate of C_2H_5I I - Isotope Exchange at Pres-
sures of up to 2500 kg/cm², by M. Gonikberg.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXX, No 4, 1956, pp
784-788.

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CSIRO-339⁵

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Chemical Equilibria and Reaction Rates at
High Pressures, by M. G. Gonikberg, 212 pp.

RUSSIAN, bk, Khimicheskoe Ravnovesie i Skorost'
Reaktsii Pri Vysokikh Davleniyakh, 1960.

NASA TT-F-95
PL-480

Sci - Physics
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MECHANISM OF CHEMICAL REACTIONS AT HIGH
PRESSURES. [1962] 10p.
Order from CTS or SLA \$1.10

62-16064

Trans. of Akademiya Nauk SSSR. Vestnik, 1961,
v. 31, no. 5, p. 39-45.

DESCRIPTORS: *High pressure research. *High tem-
perature research. *Chemical reactions. Reaction
kinetics.

I. Gonikberg, M. G.

C222990

(Chemistry--Physical, T.T. v. 8, no. 7)

Office of Technical Services

Gonikberg, M. G.
ON LIQUID-GAS PHASE EQUILIBRIA UNDER PRES-
SURE. [1963] 4p. 5 refs.
Order from OTS or SLA \$1.10

63-14847

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1949,
v. 23 [no. 7] p. 861-862.

DESCRIPTORS: *Phase studies, Liquids, Gases, Pres-
sure, *Nitrogen, *Hydrogen, *Benzenes, Solubility.

(Chemistry-Physics, TT, v. 10, no. 6)

63-14847

I. Gonikberg, M. G.

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Office of Technical Services

Homolytic Copolymerization of Vinyl Acetate and
Trichloroethylene at High Pressures, by M.G.
Gomikberg, and R.I. Baykova, 5 pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1962, pp. 1164-1168.

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Thermal Polymerization of C₅ Olefins at High Pressures

By M. G. Genilberg, A. E. Gavrilova, pp. 5

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Investigation of the Effect of Hydrogen Pressure
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zation of Cyclohexane. Communication 2.
Relation of Cyclohexane Isomerization Rate to
Partial Hydrogen Pressure, Temperature, and
V₂ Grain Size, by I. I. Levitskiy,
M. G. Gantkberg, 3 pp.

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No 6, 1960, pp 996-1000.

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Investigation of the Homogeneous Destructive
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Pressure, by A. E. Gavrilov, M. G. Gonikberg, 4 pp.

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No 9, 1961, pp 1691-1695.

CB

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Homogeneous Destructive Hydrogenation of
Propyl- and Isopropyl-Phenols in Presence
of Hydrogen Under Pressure, by M. C.
Conikberg, Li Kuang-nien, 4 pp.

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pp 491-495.

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Participation of Solvent in the Activated Complex in
Menshutkin Reactions. Communication 1. Kinetics of
the Reaction of Pyridine with Ethyl Iodide in Ethanol
at Pressures up to 2000 kg/cm², by M. G. Gonikberg,
B. S. Yel'yanov, pp 413-418.

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No 3, 1960, pp 6

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Homogeneous Destructive Hydrogenation of Cresols at
High Pressures of Hydrogen, by M. G. Gonikberg, Li
Kuang-nien, pp 7

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Process for the Thermal Dealkylation of
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NIL N 8853

Bel - Chem
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Relation Between the Crystallization of Aldehydes and
the Formation of Polymers of the Polyoxymethylene
Type From Them, by M. G. Gonikberg, V. M. Zhulin, D. S.
El'yakov, 5 pp.

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1960, pp 353-356.

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Vol IV, No 6

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Gonikberg, M. G. and Gurvich, I. G.
INVESTIGATION OF THE PERFORMANCE OF A
PODBIELNIAK COLUMN USING A MIXTURE OF
BENZENE AND DICHLOROETHANE. [1961] 9p.
10 refs.

Order from OTS or SLA \$1.10

61-16946

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1941 [v. 18] no. 5, p. 21-26.

DESCRIPTORS: *Benzenes, *Ethanes, *Chlorides,
Fractionation, *Distilling plants, Performance,
Mixtures

The efficiency of the Podbielniak fractionator model
1200 was analyzed by using a mixture of benzene and
dichloroethane and a formula derived for the calculation
of columns of this type. The data obtained indicate that
under conditions of streamline flow of liquid and turbu-
lent flow of vapor, which characterize this apparatus.
(Chemistry-Physical, TT, v. 6, no. 8) (over)

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I. Gonikberg, M. G.
II. Gurvich, I. G.

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61-23759

Gonikberg, M. G.
INFLUENCE DE LA PRESSION SUR LA VITESSE DES
REACTIONS DANS DES SOLUTIONS LIQUIDES [K
Voprosu o Vliyani Daveniya na Skorost' Reaktsii v
Zhiddkikh Rastvorakh] [Concerning the Effect of Pressure
on the Rate of Reaction in Liquid Solutions] tr. by de
Trezvinsky. 1 June 60 [7] p. 17 refs. CEA Trans. no.
R 932 (text in French).

Order from OTS or SLA \$1.10

61-23759

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1958, v. 32, no. 9, p. 2216-2218.

DESCRIPTORS: *Solutions, *Liquids, Pressure,
Chemical reactions, Velocity.

(Chemistry--Physical, TT, v. 6, no. 6)

I. Gonikberg, M. G.
II. CEA-tr-R932
III. Commissariat à l'Énergie
Atomique (France)

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Thermal Transformations of Tetrachloroethylene Under
Pressure. Communication 2. Investigation Under
Pressure of up to 1870 kg/cm^2 , by M. G. Gonikberg,
V. M. Zmilin, 9 pp.

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of Menshutkin Reactions. Communication 2.
Estimation of the Solvation of the Activated
Complex in the Reaction of Pyridine With Ethyl
Iodide in Ethanol and in Acetone, by M. G.
Gonikberg, B. S. Yel'yanov, 6 pp.

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No 4, 1960, pp 629-635.

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Effect of Hydrogen Pressure on the Rate of the
Heterogeneous Catalytic Isomerization of Cyclohexane.
Communication 1. Kinetics of the Isomerization of
Cyclohexane Over a Tungsten Sulfide Catalyst, by
M. E. Gorkberg, I. I. Levitskiy, B. A. Kazanskiy,
6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
1959, pp 611-616.

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Thermal Transformations of 2-Methylfuran in Presence
of Hydrogen at High Pressure, by A. E. Gavrilova,
M. G. Gonikberg, 5 pp

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No 2, 1960, pp 344-348

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Effect of Hydrogen Pressure on the Rate of
Heterogeneous Catalytic Isomerization of
Cyclohexane, by M. G. Gonikberg, I. I. Levit-
sky, 6 pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1960, pp 1170-177.

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The Measurement of the Electrical Conductivity
of KI in Aqueous Solutions at High Pressures,
by Yu. A. Ershov, M. G. Gonikberg, M. B.
Neiman, A. A. Opekunov, 4 pp.

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1959, pp 759-762.

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Determination of Heat of Transition in Cerium Under
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Pressure Effect on the Rate of Reactions in Solutions,
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Mechanism of the Thermal Decomposition and
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-1,3-Pentadiene, by M. G. Gonikberg, 6 pp.

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Thermal Polymerization of C_3 Olefins at High Pressures

By M. O. Gonikberg, A. E. Gavrilova, pp. 5

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1962, pp. 1458-1463.

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Conformation Concepts in Organic Chemistry
(Convention in Moscow), by M. G. Gonikberg,
L. D. Bergelson.

RUSSIAN, per, Veda Ak Nauk SSSR, Vol XXVIII,
No 12, 1958, pp .

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Investigation of the Thermal Transformations of
Phenol Under High Hydrogen Pressures, by M. G.
Gonikberg, Li Guan-Hian', 4 pp.

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Dimerization of Butyraldehyde at Super-High Pressures, by M. G. Gonikberg, B. S. El'yanov, 4 pp.

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Jun 59

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Solubility of Gases in Liquids at Low Temperatures
and High Pressures. III. Solubility of Hydrogen in
Liquid Methane, by V. G. Fastovskiy, M. G.
Gonikberg, 5 pp.

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1940, pp 427-428.

Sci Tr Center
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Dec 55 CTS/DEX

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The Effect of the Pressure of Hydrogen Upon the Rate
and Direction of Homogenous Destructive Hydrogenation
of Alkyl Benzenes, by M. G. Gonikberg, V. E. Nikitenkov
7 pp.

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8 pp.

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No 5, Sep-Oct 1954, pp 936-944. CIA C 39501

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The Solubility of Gases in Liquids at Low Temperatures and High Pressures. I. The Solubility of Hydrogen in Liquid Nitrogen at Temperatures at 79.0-109.0°K and Pressures up to 150 Atm, by M. G. Gonikberg, W. G. Fastowsky, J. G. Gurvitsch, 21 pp.

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SLA Tr 2047

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Polymerization of Tetramethyl-Ethylene at Pressures
of up to 27,500 Atmospheres, by M. G. Gonikberg,
V. P. Butazov, V. M. Zhulin, 7 pp.

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The Part Played by the Solvent in Liquid Phase Reactions, by M. G. Gonikberg, 6 pp.

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The Problem of Strengthening High-Pressure
Vessels, by M. G. Gonikberg, D. S. Tsiklis,
A. A. Opelmanov, 3 pp.

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Determination of Melting Points of Certain Metals
at Superhigh Pressures, by V. P. Butusov and M. G.
Gonikberg, p 5 pp.

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Thermal Polymerization of Dimethylbutenes Under
High Pressures, by M. G. Gonikberg, V. M. Zhulin,
10 pp.

RUSSIAN, per, Iz Akk. Nauk SSSR, Otdel Khim Nauk,
No 10, 1968, pp 1254-1263.

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The Effect of Pressure on the Rate of Sterically
Hindered Reactions, by M. G. Gonikberg, A. I.
Elitaygorodskiy, 9 pp.

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BIA 59-10633

Sci - Chem
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Effect of the Pressure Applied in the Compression
of an Alumina-Molybdenum Oxide Catalyst on Its
Activity and Structure, by O. D. Sterligov, M. G.
Gonikberg, A. N. Rubinshtein, B. A. Kazansky, 8 pp.

Full translation.

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No 1, Jan-Feb 1953, pp 28-36.

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Homogeneous Destructive Hydrogenation of Isopropyl-
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Nauk, No 1, Jan/Feb 1956, pp 56-66. CIA 542767 C,
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REGULAR SOLUTIONS OF GASES IN LIQUIDS. I.
REGULAR SOLUTIONS OF HYDROGEN, tr. by
E. Lyssenko. 28 Dec 60, 11p. 21 refs. Trans.
no. 112-60.
Order from LC or SLA mi\$2.40, ph\$3.30 61-15355

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1940,
v. 14, no. 4 [p. 582-588].

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1. Gases--Solubility
2. Hydrogen--Solubility
- I. Gonikberg, M. G.
- II. ARGMA Trans-112-60
- III. Army Rocket and Guided
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Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 6)

Destructive Hydrogenation of 2-Methyl-2-butene
with Hydrogen at High Pressure, by M. G. Conkling,
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Thermal Transformations of Trichloroethylene at
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SIA 59-10285

Sci - Chem
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Effect of Pressure on the Mechanism of the
Thermal Cracking of Paraffins, by N. G.
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Scientific - Chemistry May 55 CTS/DEX

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Isomerization of Methylcyclopentane Under Pressure
in the Presence of Aluminum Chloride, by M. G.
Goukberg, A. F. Plute, A. E. Gavrilova.

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Scientific - Chemistry

Isomerization of Alkanes in Presence of $AlCl_3$ Under a
Pressure of Hydrogen. Communication 1. Isomerization of
n-Hexane, by M. G. Gonikberg, A. E. Gavrilova,
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Full translation.

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June 52 CPS

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Measurements of Melting Points of Metals Under
Extremely High Pressures, by V. P. Butuzov, M. G.
Gontikberg, S. P. Smirnov

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Scientific - Minerals/Metals CTS/DEX

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Compressions, by H. G. Gombberg, 10 pp.

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Sci - Chem

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Thermal Reactions of Tetrachloroethylene at
Superhigh Pressures, by M. G. Gonikberg, V. M.
Znulin, V. P. Butuzov, 4 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 6,
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Chemical Reactions at Extremely High Pressure-
II. Reaction of Benzene With Carbon Dioxide,
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Sci - Chemistry

Feb 54 CTS

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Chemical Reactions at Extremely High Pressures.
I. Reaction of Benzene With Anhydrous Aluminum
Chloride, by M. G. Gonikberg and A. E. Gavrilova,
S. P.

RUSSIAN, no. per, Zhur Obshch Khim, Vol XXII,
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Measuring the Melting Points of Aluminum and
Copper at Pressures up to 18,000 Kilograms
per Centimeter, by M. G. Gonikberg, G. P.
Shalkhovsky, V. P. Butuzov, 7 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 8,
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JPRS 2541

Sci - Phys
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Solubility of Gases in Liquids Under Pressure, by
M. G. Gonikberg.

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Scientific -Physics

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Investigation of Bituminous Coal Hydrogenation at
Pressures Exceeding 1000 Atmospheres, by
B. A. Karamanov, M. G. Gontcharev, 19 p.

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SLA 59-18347

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Melting Temperatures of Tin and Lead at Pressures
Reaching 3×10^4 kg/cm², by V. P. Butuzov, M. G.
Gonikberg.

Full translation.

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MSF 144

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HIGH PRESSURES, 2D ED. REV., tr. by
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